



## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-195428

(43)Date of publication of application : 28.07.1998

(51)Int. Cl.

C09K 11/08  
H01J 17/49

(21)Application number : 09-005266

(71)Applicant : TOSHIBA CORP  
TOSHIBA ELECTRON ENG CORP

(22)Date of filing : 16.01.1997

(72)Inventor : YOSHIMURA FUTOSHI  
SUDO NOBUYUKI

(54) FLUORESCENT PARTICLE, ITS PRODUCTION AND PLASMA DISPLAY PANEL

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain fluorescent particles for plasma display panel that can suppress the deterioration of brightness and change of chromaticity with time and shows improved luminous efficiency by coating a fluorescent particle with a metal oxide on its surface.

SOLUTION: Fluorescent particles are coated with one or two or more kinds of metal oxides selected from MgO, CaO, SrO, BaO and Al<sub>2</sub>O<sub>3</sub> densely on their surfaces. The amount of the metal oxides is preferably in an amount of 0.01-5.0wt.% based on the fluorescent particles. The fluorescent particles for plasma display is prepared by applying metal alkoxides such as alkaline earth metal diethoxide to the surfaces of the fluorescent particles and firing the coated particles.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision  
of rejection][Kind of final disposal of application  
other than the examiner's decision of  
rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection][Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japanese Patent Office